

Scientific and Technical Directorate (STD)

ECM-126

Sofia, Bulgaria

September 30, 2017

AGENDA

1. Opening and welcome
2. Attendance
3. Adoption of Agenda
4. Minutes of STD approval of ECM-125

(available on the IUVSTA web)

5. Divisional reports

Applied Surface Science Division	L. Markowski
Biointerfaces Division	A. Galtayries
Electronic Materials & Processes Division	A. Vincze
Nanometer Structures Division	A. Silva
Plasma Science & Techniques Division	D. O`Connell
Surface Engineering Division	I. Petrov
Surface Science Division	F. Komori
Thin Film Division	F. Fracassi
Vacuum Science and Technology Division	J. Hendricks

6.Reports on Workshops, Schools, and Short Courses since previous ECM

80th IUVSTA Workshop

"Ultra Low Emittance Light Source Vacuum Systems"

24-28 October 2016

Hsinchu, Taiwan

81st IUVSTA Workshop

"Response of Biological Materials to Plasma Treated Medium"

Rogla, Slovenia

March 12-16, 2017

Web: <http://www.plasmadis.com/wp/iuvsta-workshop/>

79th IUVSTA Workshop

"3D chemical imaging from fundamentals to advancing applications"

Sardinia, Italy

May 15-19, 2017

Web: <http://www.npl.co.uk/science-technology/surface-and-nanoanalysis/79th-iuvsta-workshop/>

16th IUVSTA School on
IUVSTA School on Physics at Nanoscale
July 12 - 17, 2017
Devet Skal, Czech Republic
<http://iss.fzu.cz/index.php>

Short Course organized before SIMS 21
Krakow/Poland
September 9, 2017
L. Markowski

Approved, yet to be held:

- **82nd IUVSTA Workshop**
"Plasma-based Atomic Layer Processes"
Bankoku Shinryokan Okinawa, Japan
December 4-7, 2017
Web: <http://officepolaris.co.jp/JSPP2017/IUVSTA17Workshop/>
- **83rd IUVSTA Workshop**
"New Horizons in Boron-Containing Coatings: Modelling, Synthesis and Applications, "
Vadstena, Sweden
Sept @018
Web:
Final Report:
- **84th IUVSTA Workshop**
"Workshop on Surface Micro-Spectroscopy and Spectro-Microscopy: Nano-Characterization of Electronic Interfaces and Related Transport"
Phenomena, Rehovot, Israel
September 2-6, 2018
Web:
Final Report:
- **85th IUVSTA Workshop**
"Nanoporous materials for green energy conversion and storage"
Seggau, Austria
October 14-18, 2018
Web: <http://iuvsta85.unileoben.ac.at/>

Number of Workshops Schools

- In the 2017-2019 triennia a total budget of 80k was approved. This could be ~ 13 total
- 2017: 81 – March, Slovenia
79 – May, Italy ---- approved in previous triennia
16th school – July, Czech
82 – Dec., Japan
- 2018: 83 – June, Sweden
84 – Sept., Isreal
85 – Oct., Austria
- So we have approved 6 so far, and 7 have or will be paid for. There are 2 to potentially approve at this meeting. We should encourage submission at the next meetings. Ostensibly we will still have 5 slots budgeted for we could approve.

7. Proposals of Workshops, approval

Avila/Spain - Nanoscale Oxides systems in Physics and Chemistry - July 1-5, 2018

F. Tabares

8. Proposal of IUVSTA School, approval

Braga/Portugal NANO – OPTICS February 18 -22, 2019 A. Silva

9. Proposal of IUVSTA School, approval

Braga/Portugal Nano-BioEngineering for Medicine May 2 -18, 2018 A. Silva

10. Endorsements

JVC 17 Olomouc 2018, CZ

IWAN13 2017 Poland, <http://iwan13.put.poznan.pl/>

Symposium on Vacuum Based Science and Technology, 28-30 Nov 2017

Kolobrzeg, [Poland](#)

11. New Business

a) Highlight Seminar and Summit Planning

b) Welch Award Proposal

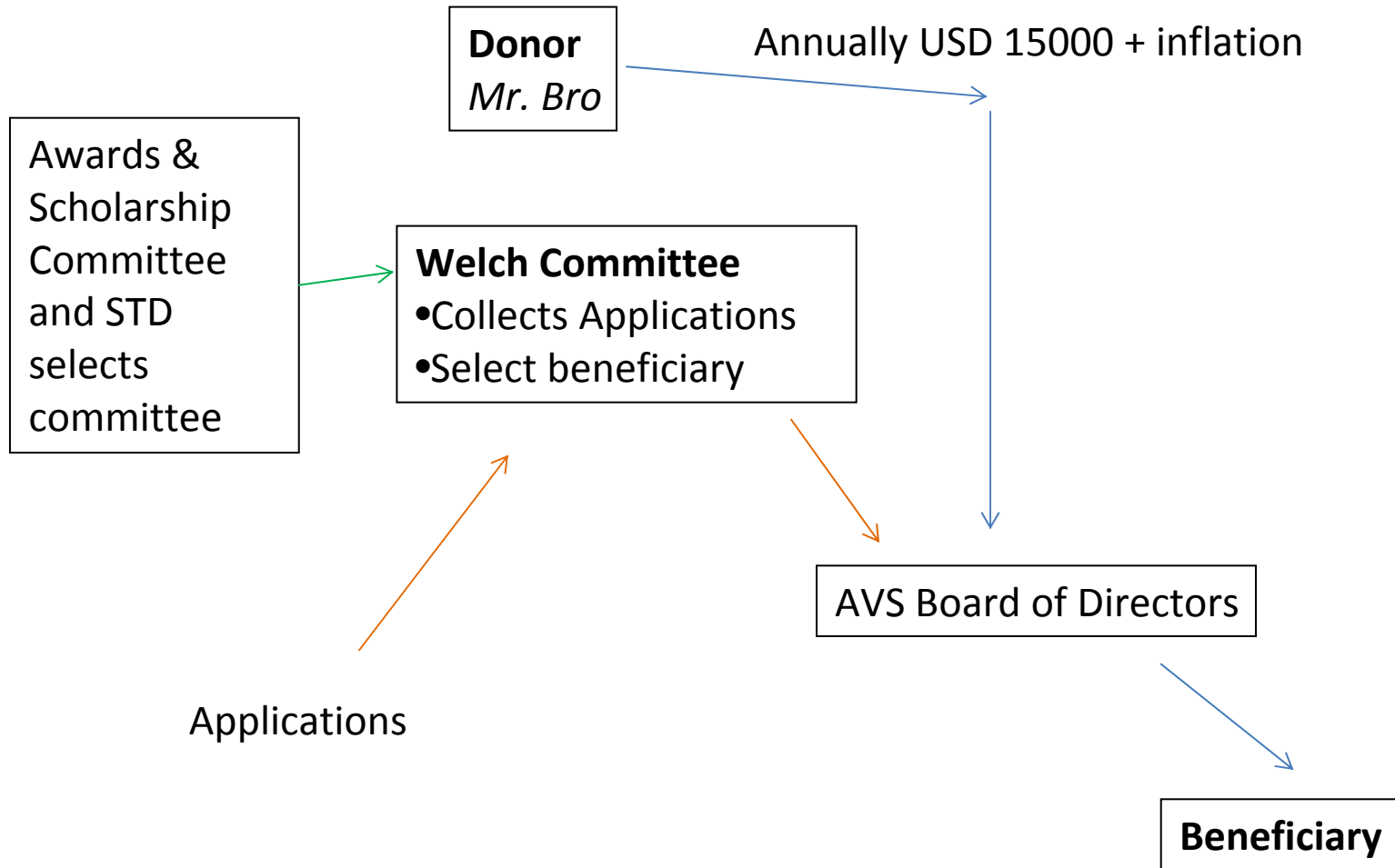
Proposed Welch Award 2.0

- Kenneth Bro donates \$15k to the AVS for use for the IUVSTA Welch Award
- The AVS Board of Directors agree to pass that money through to the recipient as directed by the IUVSTA Welch Award Committee. No administrator is needed. No trustees needed, just a committee
- The STD appoint new Welch Award Committee, for staggering terms according to the old matrix and same procedures as written now.
- The STD solicits volunteer laboratories from IUVSTA member countries to host a Welch Awardee at no (direct) cost to them. They still need to supply office space, email access, and collaborators / lab equipment etc. to the visitor.

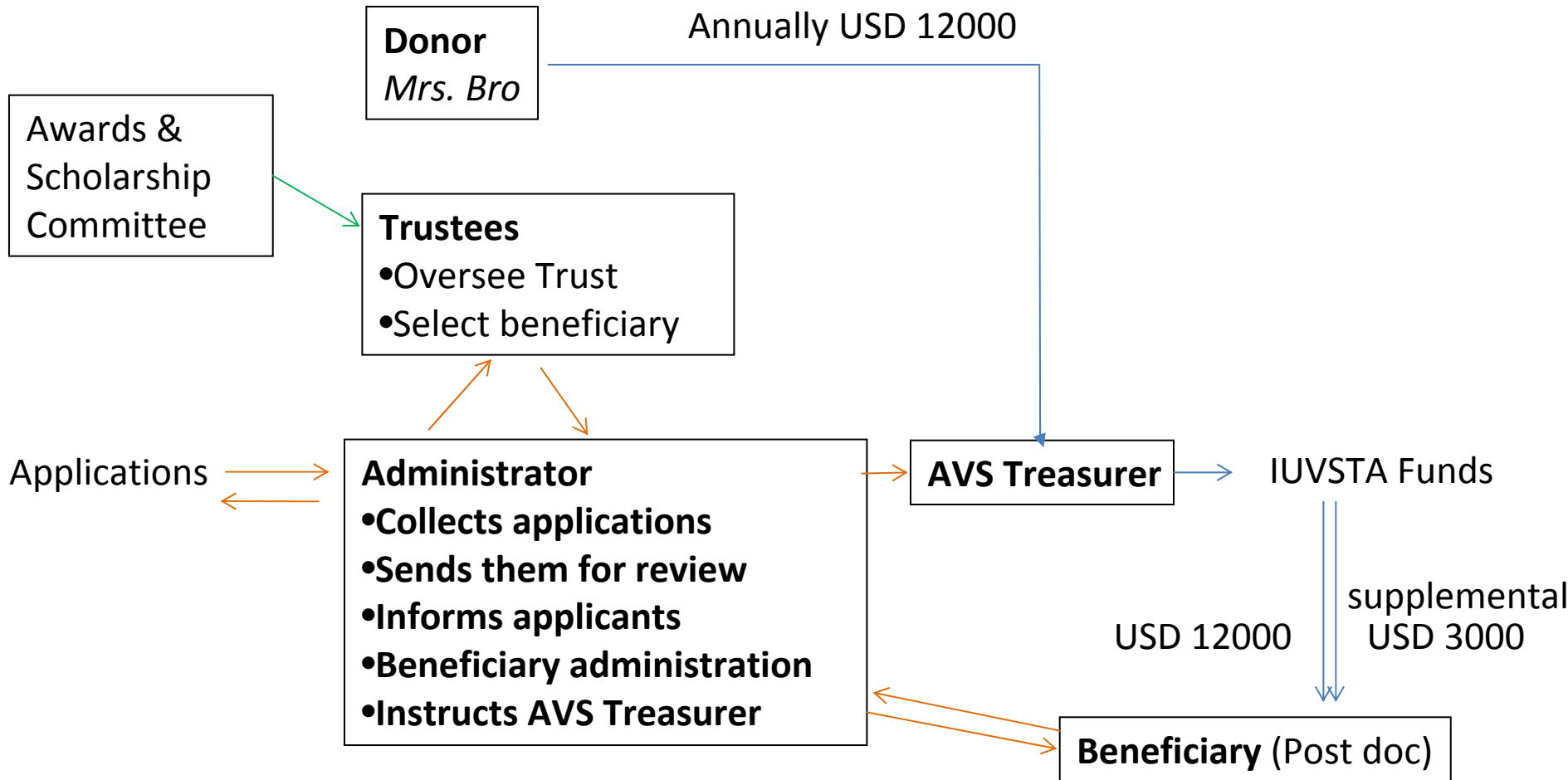
(This could be done in the next week)

- With this list we now try to get applicants. We tell them that the award is for \$15,000 and that money is for their transportation and living expenses for at least 3 months at one of the labs on the list. They write a proposal include their CV, letters etc. I suggest the applicant needs to be a person between **negative one year to plus two years from their PhD**. This gives us more flexibility.
- The Welch award committee selects a person
- In June 2018 at the big meeting we will have in Geneva – we make the announcement. Maybe Mr. Bro even wants to come....
- In the Fall 2018 – or sometime during the next year according to their plan – the person uses the funds and goes to the place.

Proposed Welch Award Situation



Welch Award Previous Situation



Welch Committee

Previous

	Industrial	Research Institute	University
Americas			Ruzic (Plasma) Petrov (Thin Film)
Europe		Montelius (Nano) Jenko	Reniers
Asia			Boo
Africa			
Australia			

Candidate Research Institute

- Anton Stampfl (AUS)
- Andrej Vincze (SK)
- Giacomo Ceccone (I)
- Miran Mozetic (SI)
- Maria Asensio (F)

New

Candidate Industrial

- Ute Bergner (D)
- David Sykes (UK)
- Enrico Maccallini (I)
- Paolo Manini (I)
- Jörg Patscheider (CH)
- Martin Wüest (CH), ASC*

	Industrial	Research Institute	University
Americas			Ruzic
Europe			Reniers
Asia			
Africa			
Australia			

Committee Members to Select

- One person for a one-year term:
- One person for a two-year term:
- One person for a three-year term:

12. Closing Remarks

Adjourn